

I claim:

Sub A1
2 1. A method of operating a Personal Digital Assistant (PDA) with an
3 Internet Protocol (IP) phone device, comprising the steps of:
4 arranging information within the PDA to correspond to at least one of first and
5 second data sets, the first data set including phone features of a user, the second set
6 including phone policies of the user; and
operating the IP phone device according to the arranged information.

Sub B1
1 2. The method as defined in claim 1 wherein said arranging step includes
2 the steps of:
3 storing a list of predetermined phone features in the PDA; and
4 selecting, in the PDA, certain phone features from the list of predetermined
5 phone features to arrange the information.

1 3. The method as defined in claim 1 wherein said operating step includes
2 the step of:
3 synchronizing the PDA with the IP phone device.

Sub A2
2 4. The method as defined in claim 1 further comprising the steps of:
3 prestoring identity information of the user in the PDA; and
4 verifying, in the PDA, the identity of a current user based on the prestored
identity information.

1 5. The method as defined in claim 1 wherein said operating step includes
2 the step of:
3 receiving and initiating calls through the IP phone device according to the
4 arranged information from said arranging step.

1 6. The method as defined in claim 1 further comprising the step of:
2 modifying the arranged information of said arranging step.

1 7. The method as defined in claim 1 wherein in said arranging step, the
2 PDA includes a phone application program interface (API) for interfacing the PDA
3 with phone functionality of the IP phone device.

1) 8. The method as defined in claim 1 wherein in said arranging step, the
2 PDA includes a feature/policy application program interface (API) for interfacing the
3 PDA with the phone features and phone policies of the user.

1 9. The method as defined in claim 1 further comprising the step of:
2 connecting the PDA to an Internet Protocol-Public Branch Exchange (IP-PBX)
3 via the IP phone device.

Sub 2 AB 10. A method of operating a Personal Digital Assistant (PDA), comprising
3 the steps of:
4 arranging information within the PDA to correspond to at least one of first and
5 second data sets, the first data set including phone features of a user, the second data
6 set including phone policies of the user; and
7 transferring the arranged information to an Internet Protocol-Public Branch
8 Exchange (IP-PBX).

1 11. The method as defined in claim 10 wherein said transferring step
2 includes the step of:
3 connecting the PDA to the IP-PBX through the Internet.

Sub 2 AH 12. The method as defined in claim 10 further comprising the steps of:
3 prestoring identification data of the user in the PDA; and
4 verifying, before said arranging step, the identity of a current user of the PDA
5 based on the prestored identification data.

Sub 1 AD 13. A method of operating a Personal Digital Assistant (PDA), comprising
2 the steps of:
3 storing at least one of first and second data sets within the PDA, the first data
4 set including phone features of a plurality of users, the second data set including
5 phone policies of the plurality of users; and
6 verifying phone configurations based on said at least one of first and second
7 data sets stored within the PDA.

1 14. The method as defined in claim 13 further comprising the steps of:

2 prestoring identification data of a verifier within the PDA; and
3 verifying the identity of a current verifier based on the prestored identification
4 data.

1 15. The method as defined in claim 13 further comprising at least one of
2 the following steps:

3 deleting certain phone features and phone policies from the phone features and
4 phone policies stored within the PDA;

5 modifying the phone features and phone policies stored within the PDA; and

6 selecting certain phone features and phone policies from the phone features
7 and phone policies stored within the PDA.

1 16. A Personal Digital Assistant (PDA), comprising:
2 a memory for storing a list of phone features and phone policies therein; and
3 software stored in the memory for allowing a user to program user's personal
4 phone features and phone policies within the PDA using the stored list of phone
5 features and phone policies.

1 17. The PDA as defined in claim 16 wherein the memory includes
2 prestored identification data for the user, and said PDA further includes a security unit
3 for verifying the identity of a current PDA user based on the prestored identification
4 data.

1 18. The PDA as defined in claim 16 wherein said software includes a
2 feature/policy application program interface (API), said feature/policy API being used
3 to interface the PDA with phone features and phone policies of the user.

1 19. The PDA as defined in claim 16 further comprising:
2 a connection for connecting the PDA to an Internet Protocol-Public Branch
3 Exchange (IP-PBX).

1 20. The PDA as defined in claim 16 wherein said PDA is adopted to
2 couple to an Internet Protocol (IP) phone device for communication.

1 21. The PDA as defined in claim 20 wherein said software includes a
2 phone application program interface (API) for interfacing the PDA with phone
3 functionality of the IP phone device.

1 22. The PDA as defined in claim 20 further comprising:
2 a synchronization unit for synchronizing the PDA with the IP phone device.

1 Sub 23. A Personal Digital Assistant (PDA) capable of communicating with an
2 Internet Protocol-Public Branch Exchange (IP-PBX), comprising:
3 a memory for storing a list of phone features and phone policies within the
4 PDA;
5 a computer program stored in the memory for allowing a user to program
6 user's personal phone features and phone policies using the list of phone features and
7 phone policies; and
8 a connection for connecting the PDA and the IP-PBX.

1 24. The PDA as defined in claim 23 wherein the connection is a modem
2 for connecting the PDA to the IP-PBX through the Internet.

1 Sub 25. The PDA as defined in claim 23 wherein the memory further stores
2 prestored identification data for the user.

1 Sub 26. The PDA as defined in claim 25 further comprising:
2 a security unit for verifying the identity of a current PDA user based on the
3 prestored identification data.

1 27. A Personal Digital Assistant (PDA), comprising:
2 a memory for storing at least one of first and second data sets within the PDA,
3 the first data set including phone features of a plurality of users, the second data set
4 including phone policies of the plurality of users; and
5 a display for displaying phone configurations based on said at least one of first
6 and second data sets stored in the memory.

1 28. The PDA as defined in claim 27 wherein the memory also stores
2 prestored identification data of a verifier.

1 29. The PDA as defined in claim 28 further comprising:
2 a security unit for verifying the identity of a current verifier based on the
3 prestored identification data.

1 30. A Personal Digital Assistant (PDA) comprising:
2 first means for storing at least one of first and second data sets within the
3 PDA, the first data set including a list of predetermined phone features, the second
4 data set including a list of predetermined phone policies;
5 second means for programming user's personal phone features and phone
6 policies using the stored at least one of first and second data sets; and
7 third means for storing the programmed user's personal phone features and
8 phone policies within the PDA.

1 31. The PDA as defined in claim 30 wherein the first means also stores
2 identification data for the user.

1 32. The PDA as defined in claim 31 further comprising:
2 security means for verifying the identity of a current PDA user based on the
3 prestored identification data.

1 33. The PDA as defined in claim 30 wherein the first means stores a
2 feature/policy application program interface (API) used to interface the PDA with the
3 user's phone features and phone policies.

1 34. The PDA as defined in claim 30 further comprising:
2 connection means for connecting the PDA to an Internet Protocol-Public
3 Branch Exchange (IP-PBX) for communication.

1 35. The PDA as defined in claim 30 wherein the first means stores a phone
2 application program interface (API) used to interface the PDA with phone
3 functionality of an Internet Protocol (IP) phone device.

1 36. The PDA as defined in claim 30 further comprising:

2 synchronization means for synchronizing the PDA with an Internet Protocol
3 (IP) phone device.

Sub #11
2 37. A Personal Digital Assistant (PDA) for communicating with an
3 Internet Protocol-Public Branch Exchange (IP-PBX), comprising:
4 means for allowing programming of user's personal phone features and phone
5 policies within the PDA; and
connection means for connecting the PDA and the IP-PBX.

1 38. The PDA as defined in claim 37 wherein the connection means
2 includes a modem for connecting the PDA to the IP-PBX.

Sub #12
1 39. The PDA as defined in claim 37 further comprising:
2 storage means for prestoring identification data of the user.

1 40. The PDA as defined in claim 39 further comprising:
2 security means for verifying the identity of a current PDA user based on the
3 prestored identification data.

Sub #13
1 41. A Personal Digital Assistant (PDA) comprising:
2 means for storing at least one of first and second data sets within the PDA, the
3 first data set including phone features of a plurality of users, the second data set
4 including phone policies of the plurality of users; and
5 display means for displaying phone configurations based on the stored at least
6 one of first and second data sets.

1 42. The PDA as defined in claim 41 wherein the means for storing
2 prestores identification data of a verifier.

1 43. The PDA as defined in claim 42 further comprising:
2 security means for verifying the identity of a current verifier based on the
3 prestored identification data.

Sub #14
1 44. A computer program embodied on a computer-readable medium of a
2 Personal Digital Assistant (PDA), comprising:

3 a first source code segment for storing a list of phone features and phone
4 policies within the PDA; and

5 a second source code segment for programming user's personal phone features
6 and phone policies within the PDA using the stored list of phone features and phone
7 policies.

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2 45. The computer program of claim 44 further comprising:
3 a third source code segment for storing identification data for the user and
verifying the identify of a current PDA user based on the prestored identification data.

1 46. The computer program of claim 44 further comprising:
2 a third source code segment for interfacing the PDA with phone features and
3 phone policies of the user.

1 47. The computer program of claim 44 further comprising:
2 a third source code segment for interfacing the PDA with phone functionality
3 of an Internet Protocol (IP) phone device for communication.

1 48. The computer program of claim 44 further comprising:
2 a third source code segment for communicating with an Internet Protocol-
3 Public Branch Exchange (IP-PBX).

1 49. A computer program embodied on a computer-readable medium of a
2 Personal Digital Assistant (PDA), comprising:
3 a first source code segment for storing at least one of first and second data sets
4 within the PDA, the first data set including phone features of a plurality of users, the
5 second data set including phone policies of the plurality of users; and
6 a second source code segment for displaying phone configurations based on
7 the stored at least one of first and second data sets.

1 50. The computer program as defined in claim 49 wherein the first source
2 code segment prestores identification data of a verifier within the PDA.

1 51. The computer program as defined in claim 50 further comprising:

- 2 a third source code segment for verifying the identity of a current verifier
- 3 based on the prestored identification data.

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